

PATENT CLAIMS

Continuously conductive unipolar cannula for anesthesia, with an electrically conductive cannula tube (10), with a distal tip (14) of the cannula tube (10), with an exit opening (12, 44) in the area of the tip (14) for a catheter introduced proximally in the cannula tube (10), with a body part (18) provided at the proximal end of the cannula tube (10), with an electrically insulating outer covering of the cannula tube (10), which extends from the body part (18) out to the tip (14) and which leaves the tip (14) exposed at least in its distal end area (16), and with a connector (22, 24, 26) electrically connected to the cannula tube (10) in the area of the body part (18) for electro-stimulation, wherein the body part (18) includes an inlet opening (32, 34) axially aligned with the cannula tube (10) for guiding, and wherein a conductor (24, 26) runs through the casing of the body part (18) to the circumference of the cannula tube (10).

2. Unipolar cannula according to Claim 1, thereby characterized, that the electrical contacting connection includes a connection junction pressed against the circumference of the cannula tube (10), to which a wire (24) of a multi-strand connector (26) is soldered.
3. Unipolar cannula according to Claim 2, thereby characterized, that the wire (24) lies axially parallel against the cannula tube (10) and the multi-strand

conductor (26) is directed radially through the body part (18) towards the outside.

4. Unipolar cannula according to one of Claims 1-3, thereby characterized, that the proximal end of the cannula tube (10) is provided co-axially in the body part (18), and that the ring gap between the proximal end of the cannula tube (10) with the thereto connected electrically contacting connector (22, 24) and an inner wall of the body part (18) is filled with plastic (30).
5. Unipolar cannula according to one of the preceding claims, thereby characterized, that the inlet opening of the body part (18) exhibits a decreasing diameter inlet funnel co-axially against the proximal end of the cannula tube (10).
6. Unipolar cannula according to one of the preceding claims, thereby characterized, that the proximal end of the body part (18) is formed as a Luer-lock connection (34).
7. Unipolar cannula according to one of the preceding claims, thereby characterized, that the exposed end area (16) of the distal tip (14) of the cannula tube (10) has a length of maximally 1mm.
8. Unipolar cannula according to one of Claims 1-7, thereby characterized, that the distal tip (14) of the cannula tube (10) is a facet cut (12).

9. Unipolar cannula according to Claim 8, thereby characterized, that the facet cut (12) is angled at an angle of approximately 45° to the axis of the cannula tube (10).

10. Unipolar cannula according to one of Claims 1-7, thereby characterized, that the distal tip (14) of the cannula tube (10) is formed as a closed conically arched tip with an exit opening (44) provided along the side of the cannula tube proximal behind this tip (so called Sprotte-tip).

11. Unipolar cannula according to Claim 10, thereby characterized, that on the inside of the distal end of the cannula tube (10) a ramp (46) is formed, which guides toward the exit opening on the side.

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